## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref# | Hits | Search Query   | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|------|------|--|--|---------------------|---------|---------------------|
| L6   | 9    | 3 and vector and quantization and masking and voice and distance and frequency | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/12/21<br>17:58 |
| L5   | 9    | 2 and vector and quantization and masking and voice and distance and frequency | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/12/21<br>17:58 |
| L4   | 1    | 1 and vector and quantization and masking and voice and distance and frequency | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/12/21<br>17:58 |
| L3   | 440  | (704/223).CCLS.  | USPAT;<br>USOCR; EPO                     | OR                  | OFF     | 2009/12/21<br>17:57 |
| L2   | 666  | (704/226).CCLS.  | USPAT;<br>USOCR; EPO                     | OR                  | OFF     | 2009/12/21<br>17:56 |
| L1   | 454  | (381/58).CCLS.   | USPAT;<br>USOCR; EPO                     | OR                  | OFF     | 2009/12/21<br>17:56 |
| S56  | 0    | correct\$5 with distance\$2 with (voice\$3 speech) with (music\$5)             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/10/29<br>14:16 |
| S55  | 56   | distance\$2 with<br>mask\$5 with (aud<br>\$6 speech voice<br>\$3)              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/10/29<br>13:54 |
| S54  | 1    | distance\$2 with (correct\$5 adjust \$6) with mask\$5 with aud\$6              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/10/29<br>13:52 |

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|-----|-------|--|--|----|-----|---------------------|
| S53 | 72    | distance with<br>(less greater)<br>with (correct\$5<br>adjust\$6) with<br>mask\$5                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/10/29<br>13:49 |
| S52 | 68    | distance with<br>(less greater)<br>with (correct\$5<br>adjust\$6) with<br>boundar\$6             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/10/29<br>13:44 |
| S51 | 51    | S48 and ((voice<br>speech music<br>tonal tone\$2)<br>with (vector\$7<br>boundar\$5 mask<br>\$4)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/10/29<br>13:29 |
| S50 | 51    | S48 and ((voice<br>speech music ton<br>\$4) with (vector<br>\$7 boundar\$5<br>mask\$4))          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/10/29<br>13:29 |
| S49 | 23    | S48 and ((voice<br>speech music)<br>with (vector\$7<br>boundar\$5 mask<br>\$4))                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/10/29<br>13:26 |
| S48 | 11186 | distance with<br>(less greater)<br>with (correct\$5<br>adjust\$6)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/10/29<br>13:22 |
| S47 | 4     | S44 and mask\$5<br>and quantiz\$7<br>and distance  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:57 |
| S46 | 4     | S44 and mask\$5<br>and quantiz\$7  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:57 |
| S45 | 4     | S44 and mask\$5  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:57 |
| S44 | 44    | S40 and S41 and<br>S43   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:57 |
| S39 | 76    | S37 and mask\$6  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:52 |
| S38 | 44    | S36 and mask\$6  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:52 |

| <b>S</b> 37 | 370 | (704/222).CCLS.   | USPAT;<br>USOCR; EPO                     | OR | OFF | 2009/01/07<br>08:51 |
|-------------|-----|---|--|----|-----|---------------------|
| S36         | 94  | (704/204).CCLS.   | USPAT;<br>USOCR; EPO                     | OR | OFF | 2009/01/07<br>08:51 |
| S35         | 5   | S34 and (quantiz<br>\$7 same distanc<br>\$5)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:26 |
| S34         | 5   | S33 and music\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:23 |
| S33         | 5   | vector\$7 with distance\$2 with (speech or voice \$2 or speak\$3) with (music\$5 or sing or singing or sings or song) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:21 |
| S32         | 12  | vector\$7 with distance\$2 with (speech or voice \$2 or speak\$3) with (music\$5 or sing\$5 or song)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:21 |
| S31         | 1   | vector\$7 with distance\$2 with code\$2book with (speech or voice \$2 or speak\$3) with (music\$5 or sing\$5 or song) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:20 |
| S30         | 75  | S27 and (music<br>\$5 or sing\$5 or<br>song)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:20 |
| S29         | 8   | S27 and music\$5  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:17 |
| S28         | 5   | S27 and music   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:12 |
| S27         | 106 | vector\$7 with<br>distance\$2 with<br>code\$2book with<br>(speech or voice<br>\$2 or speak\$3)                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:12 |
| S26         | 8   | S25 and quadrat<br>\$6  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>08:01 |

| S25  | 28    | vector\$7 with<br>distance\$2 with<br>code\$2book with<br>quantiz\$6 with<br>(speech or voice<br>\$2 or speak\$3) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:57 |
|------|-------|---|--|----|-----|---------------------|
| S24  | 21    | vector\$7 with distance\$2 with code\$2book with quantiz\$6 with speech   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:56 |
| \$23 | 0     | vector\$7 with distance\$2 with code\$2book with quantiz\$6 with music  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:56 |
| S22  | 68    | S21 and S19   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:56 |
| \$21 | 129   | vector\$7 with distance\$2 with code\$2book with quantiz\$6   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:55 |
| S20  | 143   | S18 and S19   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:55 |
| S19  | 18162 | ("704").CLAS.   | USPAT;<br>USOCR; EPO                     | OR | OFF | 2009/01/07<br>07:55 |
| S18  | 328   | vector\$7 with<br>distance\$2 with<br>code\$2book   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:55 |
| S17  | 3     | (mask\$6 with<br>vector\$7 with<br>distance\$2) and<br>music  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:51 |
| S16  | 0     | mask\$6 with<br>vector\$7 with<br>distance\$2 with<br>audio   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:51 |
| S15  | 1     | mask\$6 with<br>vector\$7 with<br>distance\$2 with<br>music   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:51 |
| S14  | 87    | mask\$6 with<br>vector\$7 with<br>distance\$2   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:51 |

| S13 | 7    | mask\$6 with<br>frequenc\$3 with<br>distance\$2 with<br>audio  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:50 |
|-----|------|--|--|----|-----|---------------------|
| S12 | 1    | mask\$6 with<br>frequenc\$3 with<br>distance\$2 with<br>music  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:49 |
| S10 | 268  | mask\$6 with<br>frequenc\$3 with<br>distance\$2  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:49 |
| S9  | 22   | mask\$6 with<br>quantiz\$7 with<br>distance\$2   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:47 |
| S8  | 0    | mask\$6 with<br>quantiz\$7 with<br>distance\$2 with<br>music   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:47 |
| S7  | 18   | (quadrature with<br>transform\$6) and<br>(quantiz\$6 with<br>distanc\$3)                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:44 |
| S6  | 3471 | (quadrature with transform\$6)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:44 |
| S5  | 2    | (quadrature with audio) and (distanc\$3 with calculat\$6 with (chang\$5 or vary \$4 or alternat\$%)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:42 |
| S4  | 73   | quadrature with<br>transform\$6 with<br>audio  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:39 |
| S3  | 3471 | quadrature with<br>transform\$6  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/01/07<br>07:39 |

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